

Fig. 1 Prior Art

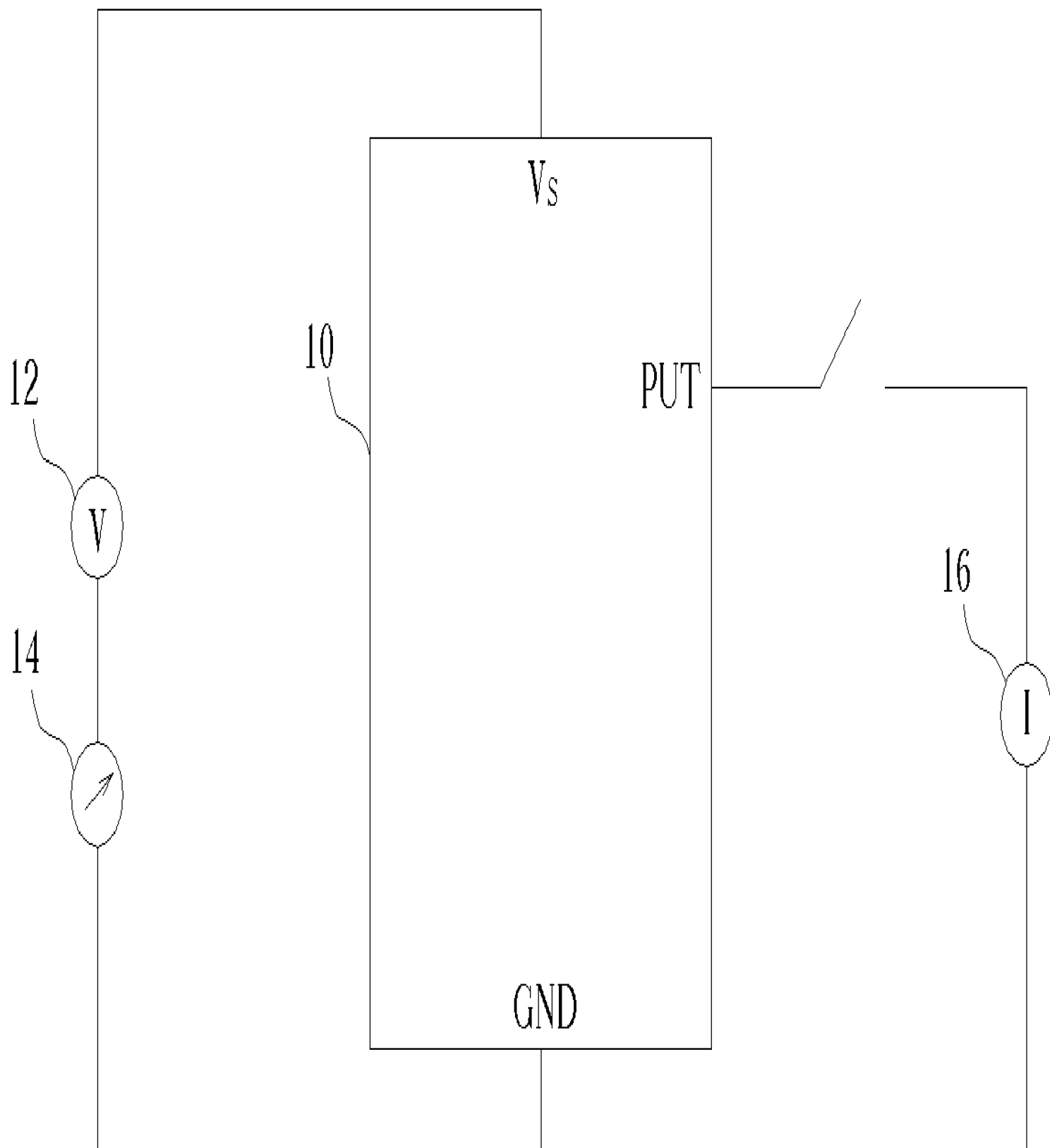


Fig. 2 Prior Art

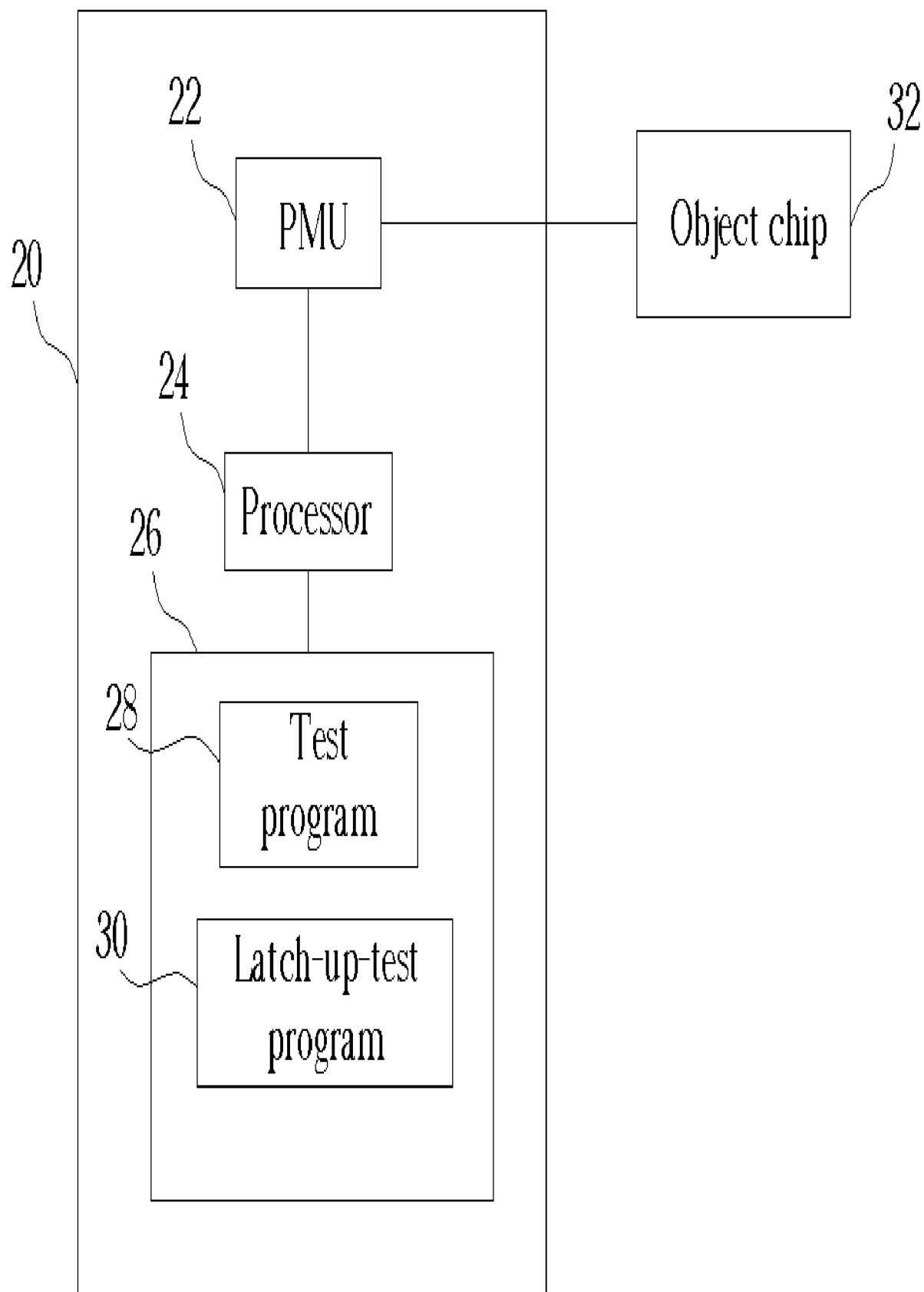


Fig. 3

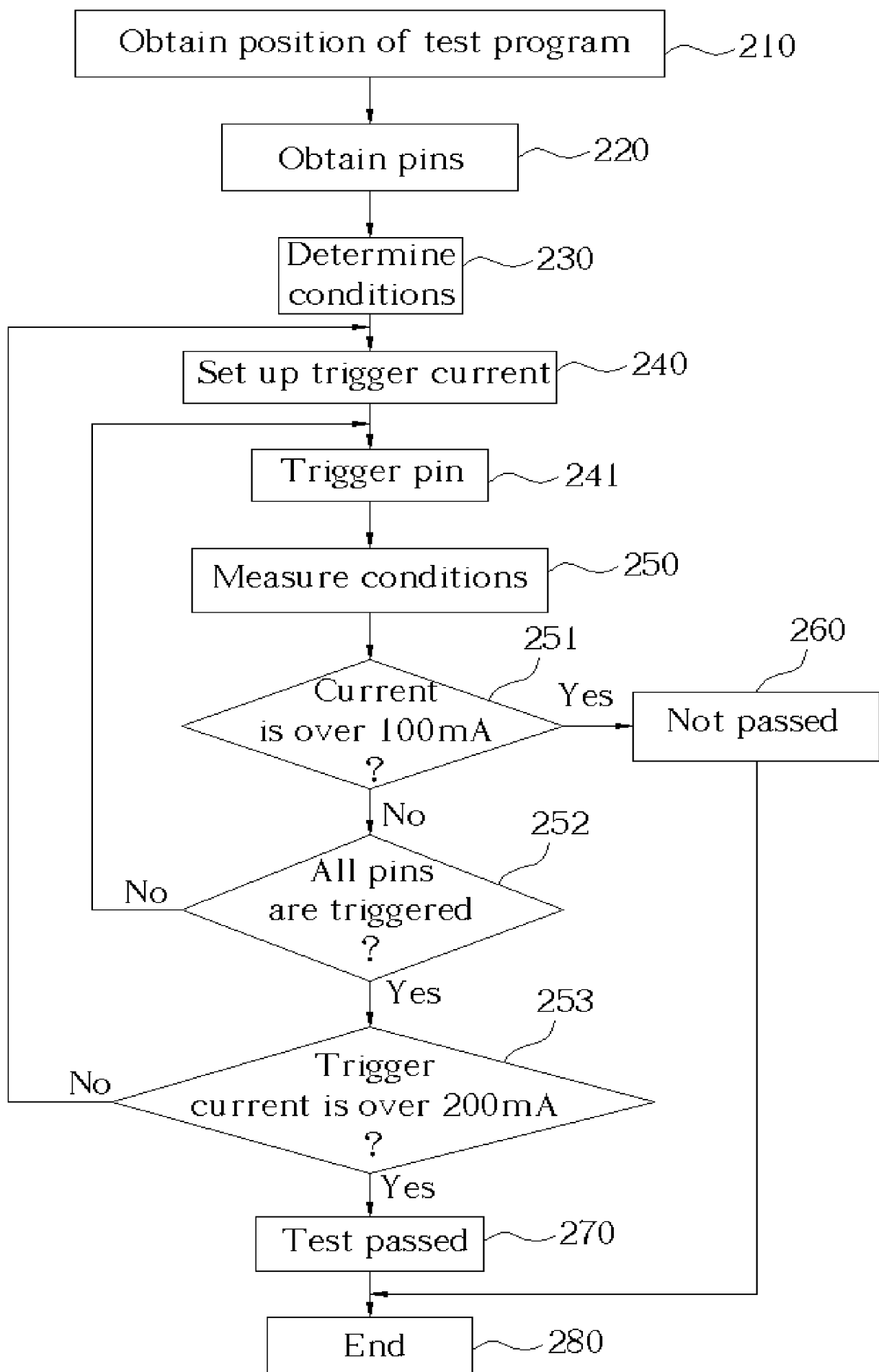


Fig. 4

```
GetDevPath(device_path)
```

```
strcat(device_path, "/user_proc/latchup/IO. pin");
if ((file_id_1 =fopen(device_path, "r")) == NULL) {
fprintf(stderr, " IO. pin does not existed !!\n");
fclose(file_id_1);SetSystemFlag(CI_ABORT, 1);
*state_out = CI_CALL_ERROR;}
```

```
sprintf(task_string, "DFCM 1, %f, ,
-30000.000,30000.000,30000.000, , 5.000,PPNP,(ALL_IN)
\n", 0.000);fw_task0;
sprintf(task_string, "PTST?1, , , PVAL \n");fw_task0;
sprintf(task_string, "RLYC PPMU,PMU,(ALL_IN)\n");
fw_task0;idd0;
```

```
while (fscanf(file_id_1, "%s", pin) == 1){Current=25000;for(k=
0;k<8;k++){sprintf(task_string, "DFVM 1, %d, %d,
4500.0,1000.0,3000.0,,5.0,SPNS,(%s)\n)while (fscanf(file_id_2, "
%s", pwd)==1){sprintf(task_string, "IDDQ?VAL,
-2,10.000000,,0,(%s) \n", pwd);if(abs(idd_diff) > 10000){
fprintf(stderr, "Shooting at pin %10s with current %10d
uAdamage chip\n", pin,Current);}}
```

```
while (fscanf(file_id_2, "%s", pwd) == 1){
sprintf(task_string, "IDDQ? VAL,
-2,10.000000,,0,(%s) \n", pwd);idd_init[pwd_cnt
]=idd_bef;}
```

Fig. 5